PRO

AMPLIFIERS

PRODUCT SPECIFICATION SHEET

TYPE:
POWER AMPLIFIERS

SAMSON

PRODUCT
SZ1360

DESCRIPTION
POWER AMPLIFIER

SERIES
ZONE AMPLIFIER

CATEGORY
AMPLIFIERS

GENERAL DESCRIPTION

The Samson SZ Series amplifiers have been designed to provide robust, clean output with low distortion and wide dynamic range, along with the dependability demanded by the most professional design engineers and audio installers. The SZ1360 will deliver 360 watts at 4 ohms. The amplifiers can also run at 25, 70 or 100 volts thanks to its internal, high performance matching transformers, making it an ideal solution for Constant Voltage systems.

The SZ1360 is enclosed in a convenient two rackspace chassis and features a reliable linear amplifier design. Rear panel controls include Input Level Adjust from –12 to 0 dB and a High Pass Filter at 400Hz to use with announcement horn speakers. A front panel Signal, Peak and Protection LED indicator helps you set the correct operating levels. Standard XLR Input and Link connectors, plus Euroblock speaker output connectors are provided to ensure easy connections and maximum flexibility.

The SZ1360 employs internal wind tunnels with forced-air cooling via an internal fan, greatly reducing the chance of overheating and other thermal problems. Multi-stage protection for power-up, overheating, over-current, short circuit, low output impedance and DC voltage assures high reliability under the most demanding situations.

The SZ1360 amplifier is road tough with its all steel chassis, 19-inch rackmount design and convenient carry handles facilitating easy installation in any rack. Optimized for commercial installations including schools, houses of worship, office buildings and live sound venues, the SZ1360 amplifier will deliver clean, reliable power.

FEATURES

> Built-in 70/100 volt output transformers with flat frequency response from 70Hz to 18kHz provide constant voltage for distributed speaker systems.

> Rear panel level control allows precision adjustments from -12 to 0 dB.

> Clean, crisp sound - Impressive audio specifications such as 0.04% THD, dynamic range of 105 dB, crosstalk of 80 dB, and frequency response of 70Hz to 18kHz guarantee ultra-clean sound quality.

> LED signal indicators continuously display power output levels and allow you to correct for overloading (clipping) conditions.

> Forced air cooling via internal fan provides reliable performance without thermal and overheating problems.

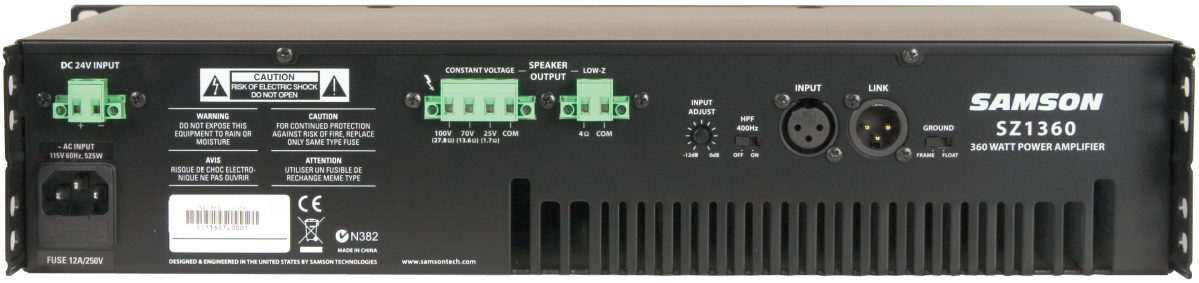
> Protection circuitry (with dedicated LEDs) that guards against overheating or faulty wiring conditions.

> Input connection is made using a standard male XLR connector to accommodate balanced signal sources.

> Output connections are made using Euroblock connectors which accept 12 gauge wire.

> The SZ Series can be mounted in any standard 19-inch rack (taking just two rack spaces), making it easy to integrate into any fixed or traveling PA rig.

> The amplifiers are enclosed in a ruggedly constructed (all-steel chassis with a sleek, black finish), standard 2-space 19-inch rackmount unit.



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ARCHITECT'S & ENGINEER'S SPECIFICATIONS

The Samson SZ1360 shall be a 2 space rackmount single channel power amplifier. It shall deliver 360 watts into 4 ohms or it shall be used for 25, 70, or 100 volt operation utilizing internal output transformers. It shall have XLR balanced inputs and XLR link output for second amplifiers. It shall have a ground lift for pin 1 on the rear panel link output. It shall have a selectable 400Hz high pass filter and -12 to 0d B gain adjustment on the rear panel. It shall have a 4 ohm output on a Euroblock connector and have 25V, 70V, and 100V taps for constant voltage intergration. It shall have a front panel power switch with power LED. It shall have 4 LED indicators for signal, -20dB, clip, and protect on the front panel. The SZ1360 shall have an internal fan and tunnel cooling system plus multi-stage protection for power-up, overheating, over-current, short circuit, low output impedance and DC voltage. The SZ1360 shall get its power from standard IEC power cable for 115 volt operation or it can operate from DC24 volts via the supplied eEuroblock connector. The SZ1360 shall carry a 3 year extended warranty.

SZ1360 SPECIFICATIONS

Rated Output Power(at T.H.D 1.0%, 1kHz)
4 Ohm, ... 360 W

Gain Control ..... -12dB to 0dB

Input Sensitivity..... (at Balanced Line)
1.0 ±0.1Vrms 10Kohms

High-pass Filter(at 400Hz) -3dB... 12dB per Octave

Frequency Response..... +1.5 / -3dB at 70Hz-18kHz

Signal To Noise Ratio..... Better than 90 dB

THD at 1/2 rated output, 1kHz.....Less than 1.0%

Cooling..... ..... Variable speed fan

Operating Temperature/Humidity.....0°-40°C at 95% non-
..... condensing

Power Consumtion at full power 525Watts

Power Requirement ..... AC100V~240V, 50/60Hz
..... and/or DC24V

Dimensions (W x D x H) ..... 19˝ x 13.25˝ x 3.5˝
483mm x 363mm x 88.9mm

Weight..... 44 lbs (19.9 kg)